



# CEIAC

## Coastal Engineering Defense Information Analysis Center

**C**EIAC was established within the former Coastal Engineering Research Center (CERC) at the Waterways Experiment Station (WES). It is now part of the U.S. Army Engineer Research and Development Center's Coastal and Hydraulics Laboratory (CHL) and provides a focal point for information related to coastal engineering and science.

CHL is supported by CHL's multi-disciplinary technical staff, which offers expertise in the areas of coastal waves and currents, coastal sedimentary processes, coastal structures, dredging, coastal hazards and risk assessment. The CEIAC staff's expertise helps identify, process, and disseminate coastal engineering information in support of current defense research and development efforts and direct mission support. In addition, CHL maintains an extensive database of wave data, which can be transferred to users via file transfer protocol (FTP).

### ***Products***

#### ***CERCular***

This quarterly newsletter highlights results from ongoing research programs. It emphasizes articles relating to applying research results or technology to specific project needs.

#### ***Coastal Engineering Technical Notes (CETN)***

This notebook contains more than 160 technical notes on the entire range of coastal engineering and science.

#### ***Automated Coastal Engineering System (ACES)***

This system of micro-computer programs is used in coastal engineering planning and design.

#### ***Coastal Modeling System (CMS)***

CMS is a system of computer programs, many of which operate on the Cray Supercomputer, for use in coastal engineering planning and design.

#### ***Shore Protection Manual (SPM)***

This two-volume manual contains more than 1,200 pages of information for planning and designing coastal projects.

### **CEIAC serves as an information resource for all aspects of coastal engineering, including:**

- Coastal Navigation & Inlets
- Coastal Waves
- Contaminated Material Dredging & Containment
- Forecasting Surf Zone Conditions
- Harbor Waves
- Logistical Capabilities for Sustaining Troops
- Logistics-Over-the-Shore (LOTS)
- Maintaining Operations in Harbors for Military Vessels
- Navigation Structures
- Predicting Operating Climates in the Nearshore & Surf Zones
- Rapidly Implaced Breakwater Systems (RIBS)
- Ship Motion
- Shoreline Erosion Control & Prediction.

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